

A Gyrodata Directional Survey

for

CONCHO RESOURCES

Well: SPRINGS 2 FEDERAL NO. 1

Location: PATTERSON #144, EDDY COUNTY, NEW MEXICO

Job Number: MD0700GME188

Run Date: 7/7/00

Surveyor: Lynn Duncan

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.300000 deg. N

Azimuth Correction:

Gyro: Bearings are Relative to True North

Proposed Well Direction: 154.130 deg

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location